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FEDERAL DP EXPO®

**The Washington
Connection,
1981**



**7th ANNUAL FEDERAL DP EXPO • APRIL 14-16, 1981
SHERATON WASHINGTON HOTEL, WASHINGTON, D.C.**

The Conference will put you in touch with the State of the Art in ADP Technology

Distinguished experts will direct Conference sessions

PLL-1

Honorable Jack Brooks
U.S. House of Representatives

FWS-1

Whit Dodson, Jr.
Domay Corporation

FWS-2

Dr. Bernard J. Bennington
General Services
Administration

FWS-3

Dr. Patrick McGregor
Network Analysis Corp.

FWS-4

Walter Anderson
US General Accounting
Office

IRM-1

Dan Schneider
FADPUG SIG on Information
Resource Management

IRM-2

Al Iagnemma
FADPUG

IRM-3

Warren Buhler
Management Design Inc.

IRM-4

Stewart S. Morick
Stewart Morick & Associates

AFD-1

John A. Little
PRC Information Sciences
Company

AFD-2

Dr. Leonard Birns
Computer Sciences Corp's
Defense Systems Division

AFD-3

Dan Zatyko
Zatyko Associates

DDP-1

William R. Nugent
Library of Congress

DDP-2

Frank Dzubeck
Communications Network
Architects, Inc.

DDP-3

Dr. Robert Holland
Data Base Design Inc.

CNP-1

James L. Myracle
Library of Congress

CNP-2

A.A. (Tony) Carlson
U.S. Senate

CNP-3

Philip Kiviat
CTEC, Inc.

CNP-4

P.D. (Pete) Moulton
Moulton and Company

AFO-1

J.P. Bolduc
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Bonnie Canning
Micronet, Inc.

TEC-1

Stanley Shell
SCS Inc.

TEC-2

Dr. Dennis W. Fife
National Bureau of
Standards

TEC-3

Edward W. Scott
Office Power Inc.

TEC-4

Dale Kutnick
The Yankee Group

Plenary Luncheons

Midst the restrained clatter of silverware and crystal, the 7th Annual FEDERAL DP EXPO Conference comes together each day for a Plenary Luncheon session featuring "big picture" presentations from a variety of leading figures. Issues on the table for discussion this year include ramifications of the landmark Paperwork Reduction Act (PL 96-511), and the many constructive changes that may reasonably be anticipated by Federal ADP professionals in the wake of the Reagan Administration's mandate to redirect and possibly even "slim down" the various bureaucratic structures that constitute the U.S. Government.

KEYNOTE PLL-1

The Paperwork Reduction Act: Implementation Perspectives

Information stored in the form of binary digits (bits) is less expensive, more malleable and more accessible than the same information stored on old-fashioned paper. Given a proper degree of redundancy in the various computer systems involved, that same information can be more secure -- not only against unauthorized invasions of privacy, but also against such physical hazards as fire and storm. We are on the threshold of a profound transformation in U.S. Government operations. The basic legislative charter for that transformation

is the Paperwork Reduction Act (P.L. 96-511) which, for the first time, "integrates the various disciplines of information management and elevates them to the highest levels of government." The quoted phrase is from the bill's principal sponsor, Rep. Jack Brooks, Democrat, Texas.

The Honorable Jack Brooks
Democrat, 9th District, Texas

PLL-2

The New Administration: Challenge and Opportunity for the Federal ADP Community

It is tempting to recall Sir Winston Churchill's tribute to the gallant fighter pilots of the RAF: "Never before in history, have so many owed so much to so few." Federal ADP professionals, a tiny minority of U.S. Government employees, are at the controls of powerful systems as important to our survival as were the Spitfires and Hurricanes of the RAF to the survival of the United Kingdom. It's a different battleground now, but the stakes would seem to be as high. Spokesmen for the new Administration join in this key Plenary Luncheon session to sketch in the dimensions of the challenge. . . and the opportunity.

PLL-3

The Outlook Panel

What's the technology outlook? The policy outlook? The macro-economic outlook? The career opportunity outlook? Where these and other powerful factors criss-cross and merge can be found the crucial arena for the 80s, a decade that promises to be at least as sweeping in its changes as any of its predecessors. Begin your own Head Start Program for the new decade with attendance at our final Plenary Luncheon session.

Information Resources Management: The Federal Slant

Technologies, most of them with a digital common denominator, converge; this permits the "integration" of previously separate functions into appropriate systems. The acquisition-manipulation-storage-retrieval-communication of information, in whatever form, is now subjected to a new management discipline that attempts to bring under systems control all the relevant resources of the organization. Where there is information resources management, can the information resources manager be far behind? Though it may not yet be your title, it just may be in your future. Get a head start by attending these sessions!

IRM-1

IRM Boundaries

"Information resources management" (IRM): Is it more than just a trendy phase? DP EXPO experts believe it to be the kind of integrative concept that can offer a new dimension to top management. This session will address various possible definitions for IRM, explore the differences between IRM and such earlier concepts as "management information systems" (MIS), and identify problems and new priorities that may trail in the wake of IRM implementation.

Daniel B. Schneider
FADPUG SIG on Information
Resource Management

Dan F. Moser
SunDance Associates

Arnold Keller
Hitchcock Publishing Co.

IRM-2

Data Security: A-71 Progress Report

Little more than a year old, the new Office of Regulatory and Information Policy within OMB is playing an increasingly important role in the operation of ADP and telecommunications systems. But long before the establishment of this office, OMB issued a memorable Circular, A-71, which along with subsequent Circulars still exercises a strong influence on Federal ADP operations. Understandably, the question of data security is central to Federal ADP. Depending upon the application, differing degrees of security may be attained. Trade-offs involve costs and some dilution of operational efficiency. When, where and how to make those trade-off decisions will be emphasized in this important session.

Al Iagnemma
Veterans Administration

Dr. Thomas C. Lowe
National Bureau of Standards

Joseph L. Durant
Office of Personnel
Management

Charles F. Schwaner
General Services
Administration

IRM-3

Developing IRM Professionals

Complex systems change and evolve. But the requirement for dedicated ADP professionals is still on the increase. Information resources management (IRM) emphasizes the need for a new kind of ADP professional, one with a broad understanding of inter-related disciplines, technologies and applications, as opposed to a narrow specialization. The age of what might be called the "information generalist" is fast approaching. You can gain insight into this career series by attendance at this important session.

Warren B. Buhler
Management Design, Inc.

Rita Lombardo
Associated Information
Managers (AIM)

Park F. Anderson, Jr.
Office of Personnel
Management



IRM-4

The Data Dictionary: A Powerful IRM Tool

A new tool for information systems is the so-called "data dictionary", which documents the entire information environment of an Agency or Department, supports operational aspects of that information environment, and at the same time tracks the shifting interrelationships, locations and status of all information resources. That makes the data dictionary a very powerful tool indeed. But powerful tools require skilled masters! Begin your skill-acquiring process with the data dictionary at this important session.

Stewart S. Morick
Stewart Morick & Associates

Anthony J. Winkler
A.J. Winkler & Associates

Federal Workshops

We are pleased to present this year a series of four "workshops," focused strongly on issues and trends of immediate concern to Federal ADP professionals. Since this is the year of the quadrennial transition, which promises to be more significant than most, the Workshop group begins with a look at challenges facing the new team, continuing on with a solid emphasis on large mainframe software, services, technology and conversions.

FWS-1

The New Administration: Impact on Issues

No Administration starts with a *tabula rasa*. Every Administration is, at least initially, held to parameters and precedents inherited from its predecessors. But this Administration seems more determined than most to establish a new direction through aggressive use of tools already at hand. Speakers in this important workshop session will discuss implications of the landmark Paperwork Reduction Act, new procurement procedures outlined in FPMR F-126, recent (pre-Reagan) OMB initiatives such as A-71 and A-121 and a range of other policy pronouncements sure to impact Federal management trends.

Whit Dodson, Jr.
Domay Corporation

Howard A. Howell
US Environmental Protection
Agency

Nelson L. Miller
Community Services
Administration (CSA)

Warren B. Buhler
Management Design, Inc.

FWS-2

Trends in Software/Services

Software development for federal systems proceeds in the midst of an

increasingly serious shortage of qualified programmers. This forces a renewed consideration of the "make/buy" issue, with purchasing strategies ranging from off-the-shelf packages to off-the-shelf (consulting) programmers. To the extent that packages can be modified to work within such OMB parameters as A-71 and A-121, dealing with data security and cost accounting, the Agency or Department can indeed consider itself to be very fortunate. To the extent that software development can be sub-contracted out to vendors or consultants, at a time of increasing budgetary restraints, the Agency or Department can consider itself doubly fortunate! Begin to escape the Catch-22 dilemma with attendance at this key workshop.

B.J. Bennington
General Services
Administration

Alfred R. Sorkowicz
Department of Housing and
Urban Development

Donald W. Parr
Aldon Computer Group, Inc.

John L. Stange
Rand Information Systems

FWS-3

Systems Technology

Systems technology is advancing into the 1980s with a series of giant steps. Fast-moving developments include (but are not limited to): new generation of mainframes from IBM; an increasingly blurry distinction between 32-bit minicomputers and the low end mainframes they are nudging out (and up); the arrival in quantity of 16-bit microcomputers, placing under severe pressure the 16-bit minicomputer workhorses of yesteryear. With new alternatives opening up almost every week, what's a poor systems user to do? Attend this workshop, obviously!

Dr. Patrick V. McGregor
Network Analysis Corp.

Professor Richard Merwin
George Washington
University

Warren N. Sargent, Jr.
Input

Richard L. Caplan
Advanced Computer
Techniques (ACT)

FWS-4

Software & Systems Conversions

Inevitably, systems grow, evolve, change. Upgrades and conversions are a fact of systems life. To the extent that this process can be planned, monitored and controlled, your particular corner of the world can proceed with normal business activities even while in the midst of change. Numerous hardware/software techniques and tools are now available to ease (and often eliminate) the conversion trauma. It is also possible to isolate the key criteria for a successful conversion, then "benchmark" your progress against those criteria. Take the mystery and the fear out of conversion, by attending this key session.



Walter L. Anderson
US General Accounting
Office
John Caron
Federal Conversion Support
Center (GSA)

Jean E. Sammet
IBM Federal Systems Division
John L. Jones
Southern Railway System

ADP Technology Highlights

From a plethora of on-going technological developments, FEDERAL DP EXPO has selected four of special relevance to ADP professionals. Though it often seems that computer industry technologies move and change at electronic speed, the fact is that near-term trends can be predicted with reasonable certainty by DP EXPO experts. From Silicon Valley comes word that there is still no theoretical limit to the number of "bits" that can be packed in layers on a single chip. You'll also hear about a new generation of so-called "super printers," which not only do a super job of printing huge volumes of material, but then have the capability to communicate those volumes to other locations. Conclude the group with an overview of micro-based work stations able to tackle numerous functions, and another overview session on what's new and anticipated in data base hardware.

TEC-1 Mass Storage Peripherals: No Limit in Sight

Technology continues to achieve new levels of capacity and speeds in memory devices. Disk, tape and semiconductor storage alternatives provide ample options for specific user needs, but not all advances are occurring at the high end of the ADP memory spectrum. Much improvement in "Winchester" technology at smaller capacities has led to major productivity increases at remote workstations in DDP environments. Discover what's new from storage device manufacturers and their plug-compatible counterparts. There's much to be gained by decision makers, who may learn to reduce their cost/byte in storage requirements.

Stanley Shell
SCS, Inc.
Darell L. Meyer
Kennedy Company

Sam I. Young
MOSTEK Corporation

TEC-2 Data Base Hardware Developments

While most of the ADP community focuses on data base software, some real improvements have been occurring in hardware and interfacing to optimize data base operations. Several system approaches have resulted in hardware designed for faster execution of data base queries. Both fixed disk and

semiconductor memories are dedicated to increase the speed of access times and data transfer. As these devices off-load host handling of data base chores, they add yet another dimension in overall systems performance. Attendees will be briefed on what's available for powerful data base processors and how to evaluate them for inclusion in present data base systems configurations.

Dr. Dennis W. Fife
National Bureau of Standards

Richard L. Caplan
Advanced Computer
Techniques (ACT)

TEC-3 Multi-Function Work Stations

End user acceptance of terminal devices fuels demand for workstations with greater compatibility. User-friendly software has simplified applications interaction so that limited, but effective, pre-processing can be accomplished at workstations with storage and printing features. Attendees will discover that this increasing demand has led to a proliferation of devices. Those more interesting developments in this product category that suggest meaningful improvements in end user productivity will be featured in this session. Don't miss this opportunity to update yourself on a fast-moving trend towards the kind of distributed capability necessary for genuine office automation.

Edward W. Scott, Jr.
Office Power, Inc.

Lawrence A. Feidelman
Management Information
Corporation

TEC-4 Super Printers that Communicate

There's a new breed of printer/copier that receives data, prints it and communicates it to other locations. High quality, multi-font capability and speed are attributes of these non-impact printer/copiers. Some of the industry's largest vendors offer these systems for the office environment. Attendees will learn which devices are available, and what capabilities they provide. Attention will be given to the applications requirements for such printers, to aid in assessing the product's potential to meet specific needs. These exciting devices are bound to create new options in office automation and records management.

Dale Kutnick
The Yankee Group

Distributed Data Processing: Theory and Implementation

The Federal ADP environment has traditionally been characterized by huge, stand-alone mainframe systems. But that emphasis is slowly changing, as computational power is increasingly



distributed through a hierarchy of linked processors. DDP networks are beginning to appear in many Agencies and Departments; applications experience is beginning to accumulate. Net designers continue to refine their understanding of the trade-offs involved with conversion to DDP. And even the previously centralized data base is undergoing the distributive process, the better to serve users in numerous, remote locations. If DDP is in your future, get up to speed at these important sessions.

DDP-1 DDP Applications Trends

Distributed data processing (DDP) is more than a buzz word now in many Federal agencies and departments. DDP networks are an on-going, productive reality for these organizations, whose managers are now ready to share their pioneering experiences with you. Between the plan and the implementation often falls the shadow of a pitfall. And since there's no experience more valid than that derived from such early implementations, you'll want to be on hand for this session with its "real world" emphasis that cuts through often-exaggerated promises and claims.

William R. Nugent
Library of Congress

E.J. McFaul
US Geological Survey

Allan L. Gohrband
US Department of Housing
and Urban Development

DDP-2 DDP Network Design Trade-Offs

The new generation of DDP networks distributes computational power all the way from the executive suite to the word processing center (aka "secretarial pool"). Designers of these networks will share with you some of the many trade-offs involved with resolution of such issues as the differing amounts of processing capability required at varying locations, varying degrees of end user sophistication, resource sharing, and applications development. These and other issues impact the network's overall throughput and productivity and must be carefully considered prior to implementation.

Francis X. Dzubeck
Communications Network
Architects, Inc.

Dr. James H. Scharen-Guivel
US Senate

Jon S. Gould
O'Donnell and Assoc., Inc.

DDP-3 Managing the Distributed Data Base

Not only can raw computational power be distributed, but the data base itself can be down-loaded or parceled out to users at remote locations. But this in turn raises questions about the degree of

management control. With careful design of such features as file structures, query languages and data dictionaries, the essential integrity of the base can be preserved, even though it is heavily used by numerous users in a distributed environment. You'll get an instructive overview of some of the "tricks" of this particular trade.

Dr. Robert H. Holland
Database Design, Inc.

James C. Landerkin
Intel Commercial Systems
Division

Automating the Federal Office

Office automation is like Heaven: Not all those who talk about it are going to get there! Nevertheless, the decibel count continues to rise -- powered by a seemingly endless stream of vendor announcements and guru pronouncements. Federal offices, burdened so many years now by excessive "paperwork," would seem to be prize candidates for the office automation revolution. This group of sessions endeavors to bring some order out of chaos, by pointing the way towards a realistic implementation of new concepts and tools -- all of which have the effect of integrating previously separate functions into increasingly complex (yet user friendly) systems.

AFO-1 Office Automation Planning for the 80s

A tidal wave of interest is directed at improving productivity of managers and office workers through computer and communications technologies. Without intelligent and comprehensive planning for phasing such technologies into the office, many may be discouraged by a veritable profusion of attractive alternatives. Detailed requirements planning that involves all levels of management is key to a successful approach. Project scheduling, user training, device compatibility, systems expandability, security, performance measurement and many other factors must be considered. Attendees will become acquainted with techniques for controlling the implementation of office automation.

J.P. Bolduc
Booz, Allen & Hamilton, Inc.

AFO-2 Electronic Mail/Message Systems

Basic to all automated office concepts is the movement of administrative messages around the office or around the world. This session's speakers can help ADP professionals get their messages through by addressing the growing variety of products, systems and



services already set up for the task. Attendees will learn how to evaluate tools available, in light of existing requirements. Approaches discussed will aid implementors in designing systems to accommodate administrative procedures rather than change them. Considerations for integrating E-mail into existing ADP operations will be emphasized. Here's your chance to take a big step forward in office automation by learning to implement an initial and highly productive application.

Charles C. Joyce, Jr.
Network Strategies, Inc.

Russell T. Johnson
GTE-Telenet

AFO-3 Integrating Word Processing with ADP

Word processing brought instant paperwork efficiencies to the office. Such WP advances were gradually added to many general-purpose data processing systems or services, though many WP purists disagree with this trend. ADP professionals will gain insight into where and why WP and DP systems should or should not be merged. Advocates of each position will help to clarify the procedures pertinent to a successful installation, merged or not, in large-scale ADP environments. Emphasis will be given to the latest WP hardware and software and its potential for integration into on-going ADP processing flows.

Dr. Henry Petersohn
Consultant

Dr. Robert M. Landau
The Information Group

Wendy Ruess
Wang Labs, Inc.

AFO-4 New Role for Records Management

The automated office is extending its promise of productivity improvements to records management. Computers and communications, as well as word processing and micrographics, have long been the tools of records management. What is evolving now is the integration of these tools into comprehensive systems for storage, manipulation and retrieval of vast amounts of information. What must be recognized is the key role of the records management facility as the "information bank," into which automated offices will deposit and then withdraw their data. Attendees will explore the significance of new equipment and systems particularly useful for integrating records management into the mainstream of Federal information flow.

Bonnie Canning
Micronet, Inc.
Truett E. Airhart
Zytron Corporation

Jesse Clark
The Records Management Group
Col. (Ret.) Leonard S. Lee
Access Corporation

ADP for Defense

The defense community is by far the biggest Federal user of computer systems. Because many of these systems are closely involved with national security matters, and therefore exempt from most procurement restrictions, it is widely believed that such systems, on average, are more advanced than their civilian counterparts. In this key session group, attendees will receive a briefing on software trends with C³ (Command-Control-Communications) systems, examine the numerous implications of microcomputer proliferation in so-called "embedded" systems and, finally, conclude with an overview of systems developments in the vital arena of strategic simulation.



AFD-1 C³ Developments

Depending on whom you talk with, and sometimes on which day you talk with them, the various Command-Control-Communications (C³) systems operated by the Defense community are either praised as the ultimate in technological integration or, alternatively, are harshly criticized as hopelessly out of date. As is usually the case, there are no simple answers: the truth about C³ is complex and constantly shifting. Within the obvious limits imposed by security requirements, DP EXPO speakers in this key session will offer a realistic appraisal of current C³ status, with special emphasis on the software situation and the near-term future trends which can be reasonably anticipated.

John A. Lytle
PRC Information Sciences
Company

Dr. Stuart H. Starr
Department of Defense

John Hurlburt
NCR Comten

AFD-2 Strategic Simulation: More Than a Game

As strategic decisions become ever more complex, at ever higher stakes, the ability of the computer to simulate the interplay between numerous factors becomes an increasingly important tool for policy makers. Simulation permits a very realistic investigation of possible scenarios, without paying the consequences of "real world" action. Current simulation systems permit the user a broad flexibility in operational modes, ranging from "man-in-the-loop" to completely automated analysis. These choices always involve trade-offs, which will be highlighted in this session.



Dr. Leonard Birns
Computer Sciences Corp.
Joseph S. Toma
Department of Defense

Roger W. Carson
US Naval Surface Weapons Center

AFD-3 New Roles for Embedded Computers

Embedded computers represent a new approach for augmenting information processing power. In many cases, this new approach goes beyond what is presently available in on-board combat systems and, indeed, in some applications is somewhat in conflict with systems design concepts and regulations of previous years. DP EXPO experts will highlight the technical, management, standardization and policy aspects of this important new ADP resource.

Dan Zatyko
Zatyko Associates
Lt. Col. Albert W. Small
US Air Force Systems
Command

Dr. Edward Lieblein
US Army Communications
Capt. David L. Boslaugh
Naval Materiel Command

Comm Net Productivity

The bottom line for any network is the degree of its positive influence on the organization's productivity. Lacking that, the network can only be considered as a very expensive toy for a handful of technically-oriented men and women. These key sessions will assist Federal ADP professionals in the management of networks and communications services that will function as useful tools. Begin with a consideration of recent developments in net control; take a look at the extraordinary variety of communications services now offered by a variety of carriers; continue with an overview of the increasingly important local network scheme; wrap it up with our always popular session on how to fine-tune or "tweak" the optimum performance from this generation of networks!

CNP-1 Terminal Interfaces for Large Networks

Compatibility is uppermost in the minds of terminal users in today's vast networks. As user needs dictate, various terminals interface with the net, whose productivity is measured in response time. Where incompatibilities exist at the terminal interface, network degradation normally occurs. Our knowledgeable session speakers will address the need for a more "universal" terminal interface, and how much progress is being attained towards that goal. Issues of host and terminal emulation, protocol standards and end user requirements will be stressed.

James L. Myracle
Library of Congress
Mary Ellen L. Jacob
On-Line Computer Library
Center, Inc.

Dr. Dick B. Simmons
Texas A&M University
Kenneth Colt
Honeywell Information
Systems

CNP-2 Trends in Communications Services

Capacity and versatility are featured in the new breed of common and not-so-common carriers. The latest data and voice service offerings by vendors such as AT&T, SBS, TYMNET, WESTERN UNION, GTE/TELENET and others are the subjects of this session. Those attendees with government purchasing responsibility for such services will receive a thorough update on what new services exist, and at what cost. Potentially new services will also be discussed.

A.A. (Tony) Carlson
United States Senate
Neil R. Helm
COMSAT General Corp.

Raymond I. Marks
Tymnet, Inc.
Marilyn M. Mouly
GTE-Telenet

CNP-3 New Tools for Local Networks

The need for local network communication was inspired by the drive towards the automated office. Various approaches have been offered to link high-speed data devices in a given locale, just as the Private Branch Exchange (PBX) links telephones. Use of fiber and coaxial cable to connect terminals and computers has been implemented by several vendors, including Xerox (Ethernet). Approaching the problem from the PBX perspective, several vendors can now switch both voice and data traffic. The session will highlight what "real world" products are presently available to improve productivity in the administrative centers of government.

Philip Kiviat
CTEC, Inc.
Maj. Roger V. Chastain
Walter Reed Army Medical
Center

John D. Kenyon
ICC
Norman B. Meisner
MITRE Corporation

CNP-4 Improving Network Performance

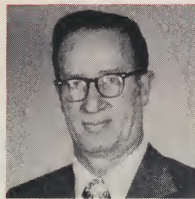
Taking the fat out of Federal networks is now a top priority. How to streamline net operations, while increasing productivity, is the focus of this key session. Those with net responsibilities will learn the latest techniques in performance measurement and discover the tools to evaluate how well the network can meet or exceed its design goals. Design improvements for load balancing and greater throughput will be emphasized. Methods of real-time response measurement will also be discussed. Attendees will be armed with strategies and tools to gain improved performance and productivity from existing nets.

P.D. (Pete) Moulton
Moulton and Company
Dr. Leonard Lipner
BGS Systems, Inc.

Doug Smith
Consultant



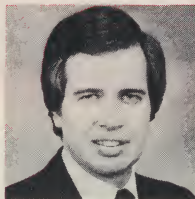
Extended Professional Seminars



Fred H. Dietrich
Associate Administrator,
of OFPP, OMB
A.M. Chairman (EPS-1)



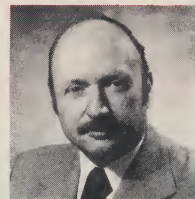
Robert V. Head
Federal Exec. Fellow,
Brookings Institute
P.M. Chairman (EPS-1)



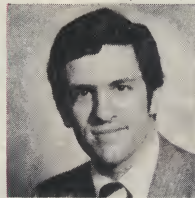
Dr. Donald W. Fitzpatrick
Principal,
Arthur Young & Company
A.M. Chairman (EPS-2)



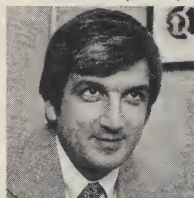
John M. Carabello
Director for
Data Automation, DOD
P.M. Chairman (EPS-2)



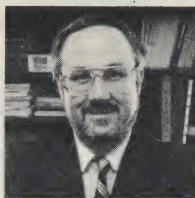
Carl Machover
President,
Machover Associates
A.M. Chairman (EPS-3)



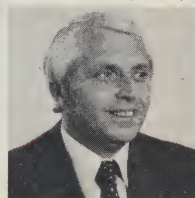
Alan Paller
President,
Applied Urbanetics, Inc.
P.M. Chairman (EPS-3)



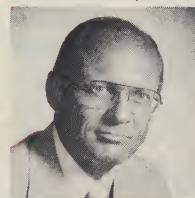
Richard M. Harden
President, Richard M.
Harden & Associates, Inc.
A.M. Chairman (EPS-4)



Ken Showalter
Staff Director, U.S. House
of Representatives
P.M. Chairman (EPS-4)



Richard L. Deal
President,
Richard L. Deal & Assoc.
Co-Chairman (EPS-5)



Ralph G. Berglund
Consultant
Co-Chairman (EPS-5)

This Year, for the First Time!

FEDERAL DP EXPO takes pride in offering this year a total of five "all day" Extended Professional Seminars* for those ADP professionals who desire an intensive, in-depth examination of contemporary core topics. These Extended Professional Seminars are staffed by leading experts, drawn from the ranks of prominent consultants, computer science faculties, major vendors and sophisticated users in both Federal and private sectors.

The Procurement Process (EPS-1)

Procuring a pencil is difficult; procuring a computer is impossible. No, not really, though it may occasionally seem that way! The fact is that the Federal procurement process for ADP systems and modular components is eminently workable, *if* you can grasp not only the sometimes cumbersome restrictions, but also the reasons for those restrictions. This is the Seminar that will take you through the procurement process, from initial planning to RFP, from benchmarking (and its alternatives) to a final discussion of procurement issues. Successful systems begin with a good procurement. There are no exceptions to that rule!

Systems Development/ Life Cycle Management (EPS-2)

If your system evolves and changes without reference to your conscious direction and control, i.e., your plan, then this all-day Seminar is essential for restoring the necessary degree of order and purpose. Objective criteria for system upgrades and conversions will be placed within the framework of "life cycle management," a planning tool that assumes an increasing importance as the system itself becomes increasingly important to Agency or Department operations.

*There is a surcharge of \$50.00 for each Extended Professional Seminar you may wish to attend.

Graphics (EPS-3)

A Chinese philosopher once remarked that "a single picture is worth a thousand words." In our time, and increasingly, Federal executives are discovering that a single picture is worth many pounds of fanfold print-out. Graphics systems are generating a whole new class of previously bored (or intimidated) users. In the morning section of this Seminar, the emphasis will be on what's currently available, and why. In the afternoon, the emphasis will be on implementation/applications experience. Among other things, you'll learn why graphics systems designers frequently strip the data base to its bare bones, pursuing a new variant of the "less is more" philosophy!

Office Automation (EPS-4)

Our all-day Seminar on office automation begins in the morning with discussion of basic theoretical principles and planning techniques, followed by a presentation on the integration of word and data processing, undergirded as they are by the identical digital technology. In the afternoon, you'll take a *tour d'horizon* of equipment offerings, and the Seminar concludes with the case study of one Federal agency's experience with an actual implementation. If your boss is asking, "Can't this office be automated?", the yes/no answer will emerge here.

Data Communications (EPS-5)

This is the intensive, all-day Seminar that will bring you up to speed on a key area not only for your organization, but also for your own career growth. In the morning, you'll get an introduction to the specialized terminology of data communications and a quick overview of such basic hardware/software building blocks as front-end processors, multiplexers and OS monitors. In the afternoon, our experts will guide you through the maze of the existing telecommunications system (now undergoing a far-reaching conversion from analog to digital modes), and you'll conclude with an ACK-NACK handshake for contemporary network design concepts, including distributed data processing (DDP). You'll leave with a good foundation for further work.

Program Advisory Roundtable

We would like to acknowledge the valuable help and guidance of the Program Advisory Roundtable listed here. Under their careful guidance, approximately 100 speakers will be making presentations at the FEDERAL DP EXPO '81 Conference sessions.



Walter L. Anderson
Senior Associate
Director, U.S. GAO



Warren B. Buhler
Pres., Management
Design, Inc.



Dr. Ruth M. Davis
Corporate
Consultant



Whit Dodson
President,
The Domay Corp.



Walter W. Haase
V.P. and General
Manager, PRC



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Federal Executive
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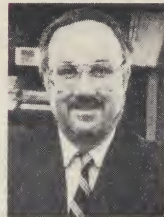
Al Iagnemma
President-Elect
FADPUG



F.A. McDonough
Deputy Comm.,
U.S. GSA



James N. Ridgell
Chairman, Fed. of
Government Info.
Process. Councils



K.A. Showalter
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Representatives



J.T. Westermeier, Esq.
Partner, Abrams,
Kovacs, Westermeier
and Goldberg



Martin B. Zimmerman
Dept. of Army

*Affiliations are for identification purposes only.

Industry Editors Advisory Board

We are indebted to the Industry Editors Advisory Board for advice and input with regards to the FEDERAL DP EXPO Conference. Their unique position in the industry has enabled them to contribute valuable insights as to current and future trends and to help shape the Conference into a meaningful and profitable experience for the attendees.



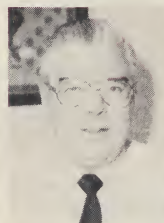
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Data Communications



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Executive Editor,
Modern Office
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George Fine
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Government Data
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Editor, Government
Executive



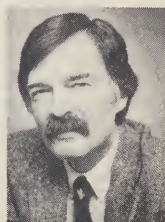
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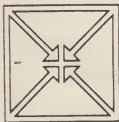
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American Management Systems, Inc.
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Anderson Jacobson, Inc.
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Atlantic Research Corp.
Atlantic Software Inc.
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Computer Complements Inc.
Computer-Link Corp.
Computer Resources Co.
Computer Sciences Corp.
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Constant Data Control Corp.
Continental Resources Inc.
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CRC Systems Inc.
Cullinane Database Systems Inc.
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Datagraphix
Data Research Associates, Inc.
Data Systems Marketing Corp.
Defense Technical Information Center
Delta Data Systems Corp.
Dennison-Kybe
Dictaphone Corp.
Digital Engineering Inc.
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MCAUTO - McDonnell Douglas
Automation Company
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Megatek Corp.
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MESA Inc.
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Mohawk Data Sciences
Motorola Government
Electronics Division
MPI
MSI Data Corp.

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Nixdorf Computer Corp.
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Paragram Sales Co., Inc.
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Program Schedule

TUESDAY, APRIL 14 Exhibits Open 9:30 a.m. - 5:00 p.m.

9:00-10:30	CNP-1 AFO-1 TEC-1	Terminal Interfaces for Large Networks Office Automation Planning for the 80s Mass Storage Peripherals: No Limit in Sight
9:00-11:30	EPS-1 EPS-2 FWS-1	The Procurement Process Systems Development/Life Cycle Management The New Administration: Impact on Issues
12:00- 1:30 Plenary Luncheon	PLL-1	Keynote: The Paperwork Reduction Act: Implementation Perspectives
2:00- 3:30	IRM-1 AFD-1 DDP-1 TEC-2	IRM Boundaries C ³ Developments DDP Applications Trends Data Base Hardware Developments
2:00- 5:00	EPS-1 EPS-2	The Procurement Process (Continued) Systems Development/Life Cycle Management (Continued)

WEDNESDAY, APRIL 15 Exhibits Open 9:30 a.m. - 5:00 p.m.

9:00-10:30	IRM-2 AFD-2 CNP-2 AFO-2	Data Security: A-71 Progress Report Strategic Simulation: More Than a Game Trends in Communications Services Electronic Mail/Message Systems
9:00-11:30	EPS-3 FWS-2	Graphics Trends in Software/Services
12:00- 1:30 Plenary Luncheon	PLL-2	The New Administration: Challenge and Opportunity for the Federal ADP Community
2:00- 3:30	IRM-3 DDP-2 AFO-3 TEC-3	Developing IRM Professionals DDP Network Design Trade-Offs Integrating Word Processing with ADP Multi-Function Work Stations
2:00- 5:00	EPS-3 FWS-3	Graphics (Continued) Systems Technology

THURSDAY, APRIL 16 Exhibits Open 9:30 a.m. - 4:00 p.m.

9:00-10:30	IRM-4 CNP-3 AFO-4	The Data Dictionary: A Powerful IRM Tool New Tools for Local Networks New Role for Records Management
9:00-11:30	EPS-4 EPS-5 FWS-4	Office Automation Data Communications Software & Systems Conversion
12:00- 1:30 Plenary Luncheon	PLL-3	The Outlook Panel
2:00- 3:30	AFD-3 DDP-3 CNP-4 TEC-4	New Roles for Embedded Computers Managing the Distributed Data Base Improving Network Performance Super Printers that Communicate
2:00- 5:00	EPS-4 EPS-5	Office Automation (Continued) Data Communications (Continued)



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